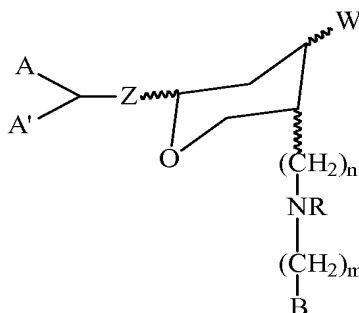


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A 3,6-substituted pyran group-containing compound having the structural formula:



wherein

~~A, A', and B are individually selected from the group of optionally substituted C₄-C₁₄-aryl and heteroaryl wherein heteroatoms of heteroaryl A and/or A' are selected from the group consisting of O, N, and S;~~

A, A' are each phenyl;

B is optionally substituted C₄-C₁₄ aryl;

~~Z is selected from the group consisting of a chemical bond and -Y-(CH₂)_o wherein Y is NH or O and o is 0, 1, 2, 3, or 4;~~

R is H or C₁₋₈ alkyl;

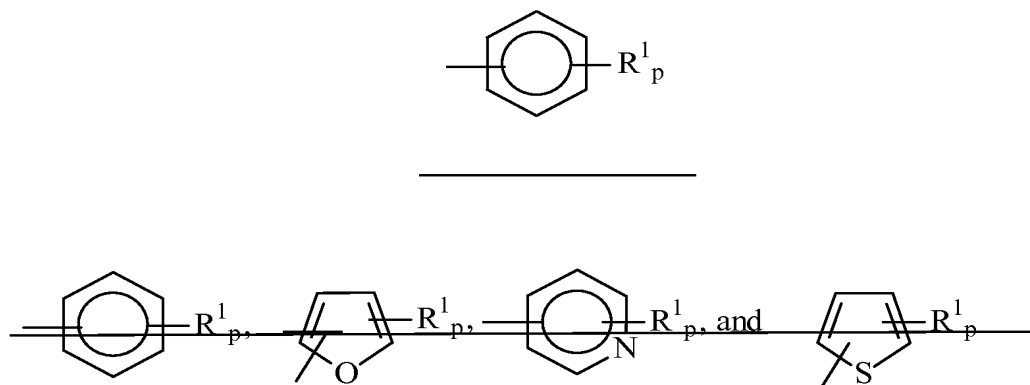
W is selected from the group consisting of hydrogen and -OH;

n is 1; and

m is 0.

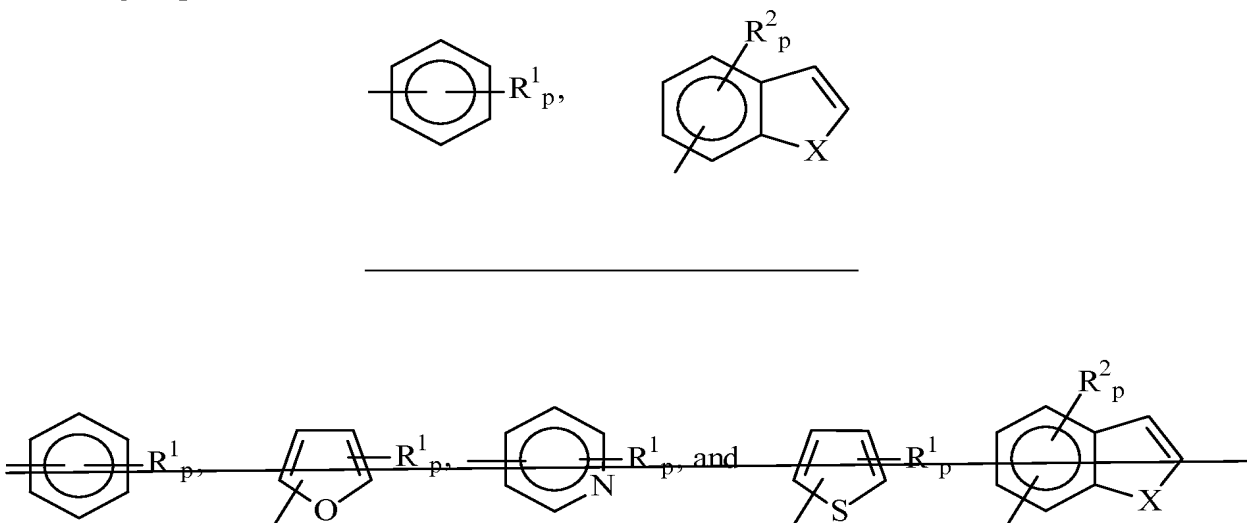
~~n and m individually are 0, 1, 2, 3, or 4, and wherein any carbon of -(CH₂)_n may be substituted by OR⁺ wherein R⁺ is C₁₋₈-alkyl, C₂₋₁₈-alkylene, or -COOR⁺ wherein R⁺ is C₁₋₁₈-alkyl or C₂₋₁₈ alkylene, or a pharmaceutically acceptable derivative or salt thereof.~~

2. (Currently Amended) The compound of claim 1, wherein at least one of A and A' are selected from the group consisting of:



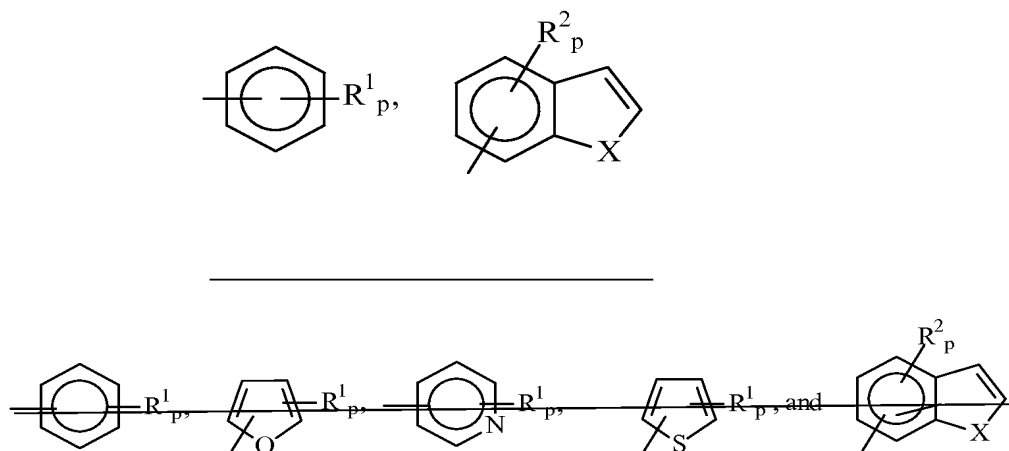
where R^1 is selected from the group consisting of C_{1-4} alkyl, C_{2-6} alkenyl, C_{2-6} optionally halogenated alkynyl, C_{2-6} hydroxyalkynyl, halo, -CN, -COOR, where R is C_{1-18} alkyl, C_{5-10} cycloalkyl, C_{2-18} alkenyl, -OH, -NO₂, -NH₂, -OR² where R² is C_{1-8} alkyl, C_{5-6} cycloalkyl, or C_{2-8} alkenyl.

3. (Currently Amended) The compound of claim 1, wherein B is selected from the group



where R^1 is selected from the group consisting of C_{1-4} alkyl, C_{2-6} alkenyl, C_{2-6} optionally halogenated alkynyl, C_{2-6} hydroxyalkynyl, halo, -CN, -COOR, where R is C_{1-18} alkyl, C_{5-10} cycloalkyl, C_{2-18} alkenyl, -OH, -NO₂, -NH₂, -OR² where R² is C_{1-8} alkyl, C_{5-6} cycloalkyl, or C_{2-8} alkenyl; and wherein R² have the meaning of R¹ and also a 5 or 6 membered heterocycle containing 1 or more heteroatoms selected from the group consisting of N, O, and S, and wherein X is N, O, or S.

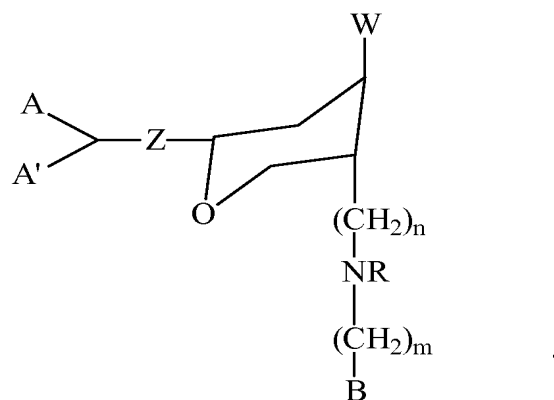
4. (Currently Amended) The compound of claim 2, wherein B is selected from the group



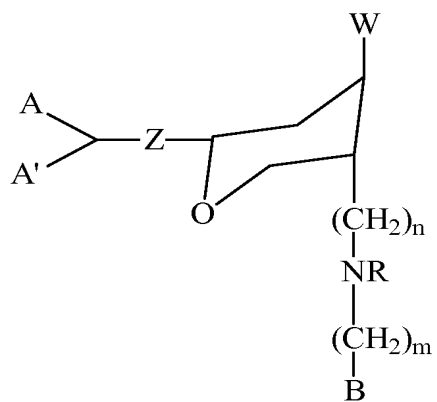
where R^1 is selected from the group consisting of C_{1-4} alkyl, C_{2-6} alkenyl, C_{2-6} optionally halogenated alkynyl, C_{2-6} hydroxyalkynyl, halo, -CN, -COOR, where R is C_{1-18} alkyl, C_{5-10} cycloalkyl, C_{2-18} alkenyl, -OH, -NO₂, -NH₂, -OR² where R² is C_{1-8} alkyl, C_{5-6} cycloalkyl, or C_{2-8} alkenyl; and wherein R² have the meaning of R¹ and also a 5 or 6 membered heterocycle containing 1 or more heteroatoms selected from the group consisting of N, O, and S, and wherein X is N, O, or S.

5. (Currently Amended) The compound of claim 3, wherein A and A' are both unsubstituted phenyl.

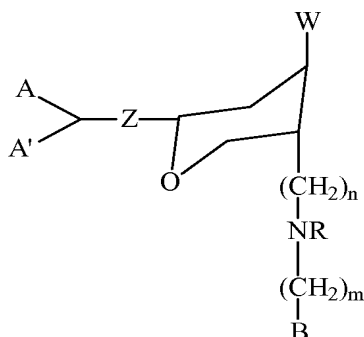
6. (Original) The compound of claim 1, having the formula



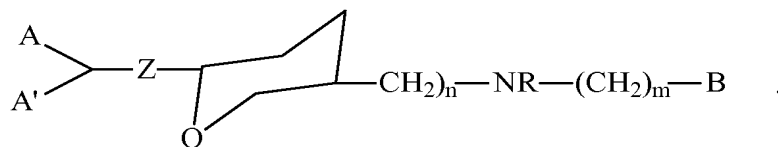
7. (Original) The compound of claim 2, having the formula



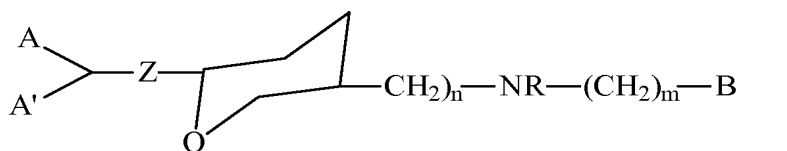
8. (Original) The compound of claim 3, having the formula



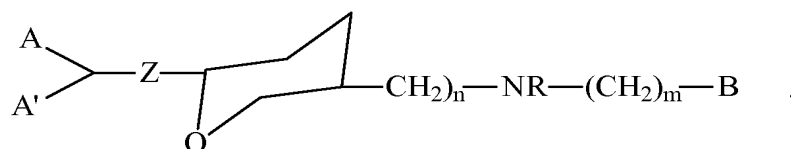
9. (Original) The compound of claim 1, having the formula



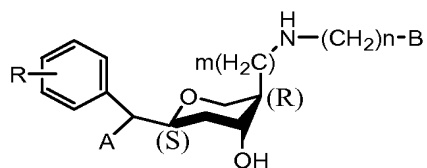
10. (Original) The compound of claim 2, having the formula



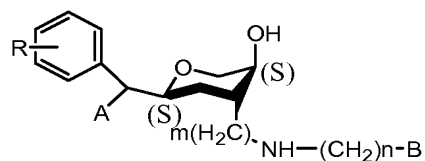
11. (Original) The compound of claim 3, having the formula



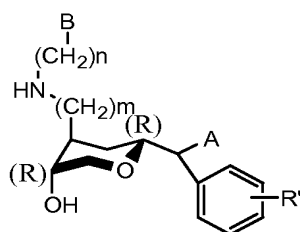
12. (Original) The compound of claim 1, having a formula selected from the group consisting of:



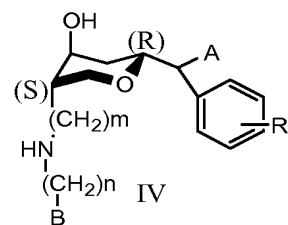
I



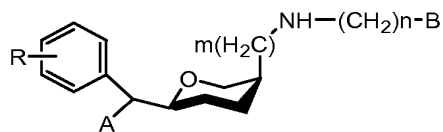
II



III

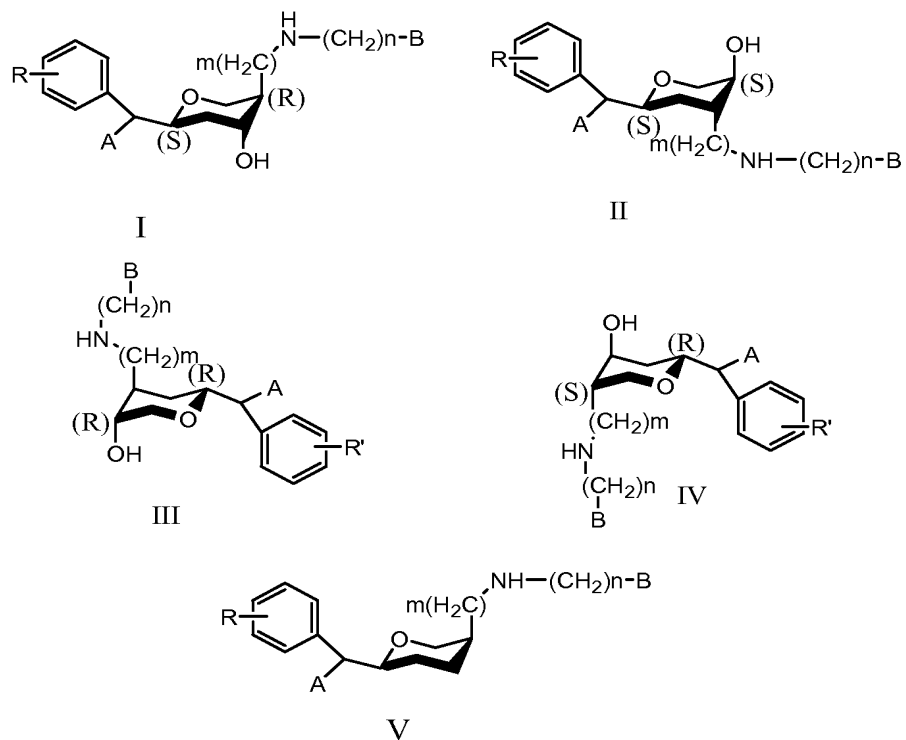


IV

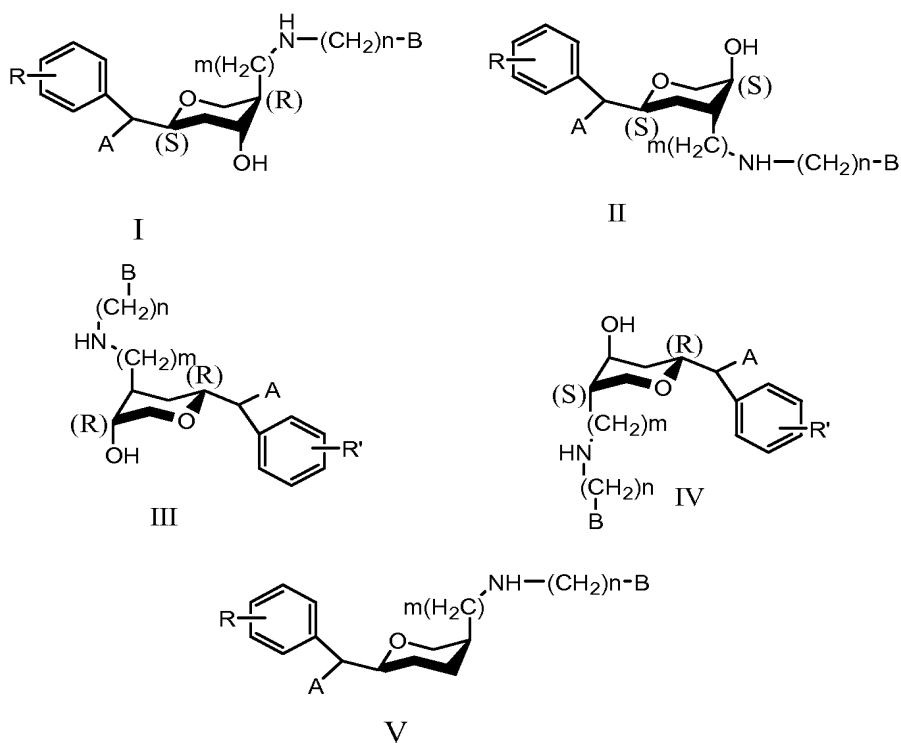


V

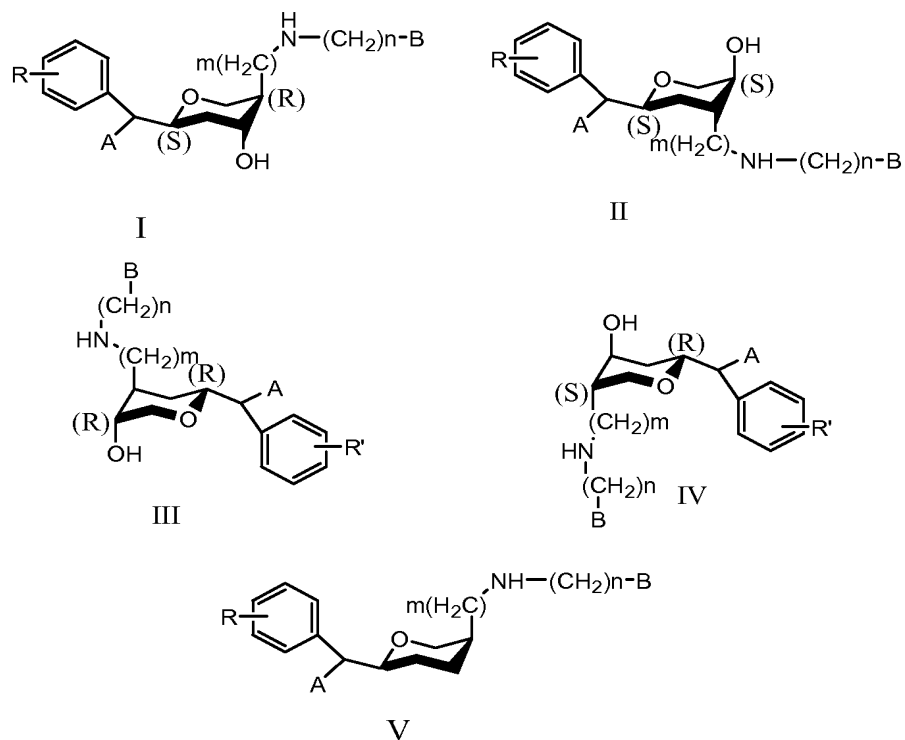
13. (Original) The compound of claim 2, having a formula selected from the group consisting of:



14. (Original) The compound of claim 3, having a formula selected from the group consisting of:



15. (Original) The compound of claim 5, having a formula selected from the group consisting of:



16. (Original) The compound of claim 1, selected from the group consisting of:

Synthesis of *Cis*-(6-benzhydryl-tetrahydropyran-3-yl)-(4-hydroxy-benzyl)-amine (16h);

Synthesis of *Cis*-(6-benzhydryl-tetrahydropyran-3-yl)-(1H-iodo-5-ylmethyl)-amine (16n);

Synthesis of *Cis*-(6-benzhydryl-tetrahydropyran-3-yl)-(4-amino-benzyl)-amine (16o);

Synthesis of *Cis*-(6-benzhydryl-tetrahydropyran-3-yl)-(3,4-dichloro-benzyl)-amine (16i);

Procedure E. Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-methoxy-benzylamino)-tetrahydropyran-4-ol (-)-29a;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-fluoro-benzylamino)-tetrahydro-pyran-4-ol (-)-29b;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-benzylamino-tetrahydro-pyran-4-ol (-)-29d;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(2,4-dimethoxy-benzylamino)-tetrahydropyran-4-ol (-)-29e;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(3,5-dimethoxy-benzylamino)-tetrahydropyran-4-ol (-)-29f;

Procedure H. Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-hydroxy-benzylamino)-tetrahydropyran-4-ol (-)-32a;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-[(1H-indol-5-ylmethyl)-amino]-tetrahydropyran-4-ol (-)-32b;

Synthesis of (2R, 4S, 5S)-2-benzhydryl-5-(4-hydroxy-benzylamino)-tetrahydro-pyran-4-ol (+)-32a;

Synthesis of (2R, 4S, 5S)-2-benzhydryl-5-[(1H-indol-5-ylmethyl)-amino]-tetrahydropyran-4-ol (+)-32b;

Synthesis of *cis*-(3S, 6S)-(6-benzhydryl-tetrahydropyran-3-yl)-(4-hydroxy-benzyl)-amine (-)-37a; and

Synthesis of *cis*-(3R, 6R)-(6-benzhydryl-tetrahydropyran-3-yl)-(4-hydroxy-benzyl)-amine (+)-37a.

17. (Original) The compound of claim 1, selected from the group consisting of:

Procedure E. Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-methoxy-benzylamino)-tetrahydropyran-4-ol (-)29a;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-fluoro-benzylamino)-tetrahydro-pyran-4-ol (-)29b;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-benzylamino-tetrahydro-pyran-4-ol (-)29d;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(2,4-dimethoxy-benzylamino)-tetrahydropyran-4-ol (-)-29e;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(3,5-dimethoxy-benzylamino)-tetrahydropyran-4-ol (-)-29f;

Procedure H. Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-(4-hydroxy-benzylamino)-tetrahydropyran-4-ol (-)32a;

Synthesis of (2S, 4R, 5R)-2-benzhydryl-5-[(1H-indol-5-ylmethyl)-amino]-tetrahydropyran-4-ol (-)32b;

Synthesis of (2R, 4S, 5S)-2-benzhydryl-5-(4-hydroxy-benzylamino)-tetrahydro-pyran-4-ol (+)32a;

Synthesis of (2R, 4S, 5S)-2-benzhydryl-5-[(1H-indol-5-ylmethyl)-amino]-tetrahydropyran-4-ol (+)32b;

Synthesis of *cis*-(3S, 6S)-(6-benzhydryl-tetrahydropyran-3-yl)-(4-hydroxy-benzyl)-amine (-)37a; and

Synthesis of *cis*-(3R, 6R)-(6-benzhydryl-tetrahydropyran-3-yl)-(4-hydroxy-benzyl)-amine (+)37a.

18.-24. (Cancelled)